

### Abstract

The present invention provides the genomic sequences of a library of purified, polynucleotides, or their complements, comprising the genome of Moraxella catarrhalis. The invention also provides the identification of open reading frames contained within the polynucleotides of the library. The present invention further provides for the use of the polynucleotides, their complements or fragments, and proteins or portions thereof for identifying ligands and useful diagnostic and therapeutic compositions. In addition the invention provides for vectors, host cell sand methods for producing M. catarrhalis proteins or portions thereof.